LCP150B-2W24V

Summary

LCP150B-2W24V is a constant voltage mode output LED driver,
adjustment of brightness and colour temperature · Through Bluetooth to achieve wireless dimming effect.

Product Features

· Double channel constant voltage output,6.25A Max
· High input voltage of 120VAC ~ 277VAC
· Dimming effect smooth, flicker free
· Short circuit protection
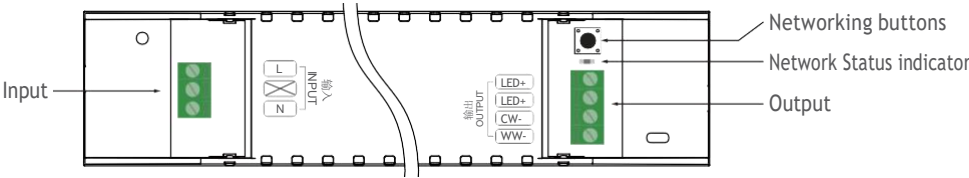· IP20, suitable for indoor LED lighting application

Application

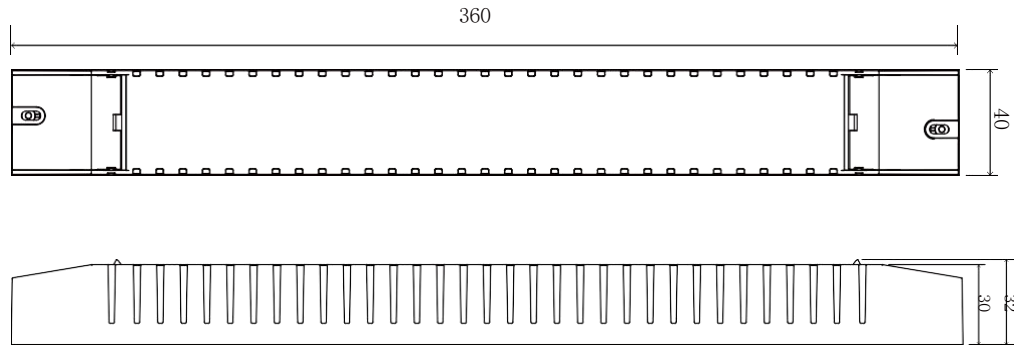For LED constant voltage strip light only

LED Strip Light   LED Tube

Dimmable
0.1%-100%

Tunable White

Technical Paramaters

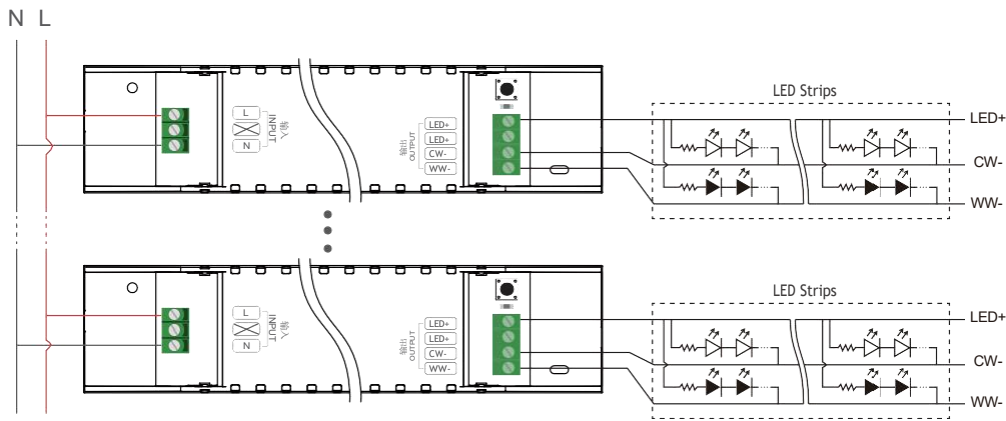| Model		LCP150B-2W24V
Input	Efficiency	≥92%@230VAC,Full load
	Voltage	120VAC-277VAC
	Frequency Range(Hz)	50/60Hz
	Power Factor	≥0.98@230VAC,Full load
	THD(full load)	<10%@230VAC, Full load
	AC Current(max)	0.8Amax@230VAC
	Inrush Current(max)	Cold start,49A@230VAC
	Standby power	< 1W
	No-load power	< 1W
Output	Current(mA)/Voltage (VDC) Power(W)	6.25A/24VDC/150W
	Channel	2
	Voltage Tolerance	±3%
	Turn on delay Time	<0.75s, @230Vac (When the light begins to shine)
Function	Dimming Type	Bluetooth
	Dimming Range	1%-100%
Protection	Short Circuit	Hiccup, recovers after fault condition is removed
Safety& EMC	Surge	L-N:2KV
	Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
	Safety Standards	EN61347, GB19510
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547
Others	Working Temp.	-20℃~50℃
	Storage Temp., Humidity	-40℃~85℃, 20-90%RH
	tc	90℃
	Material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:90℃
	Warranty Condition	5 years
	Switch Cycle	25,000 times
	Packing(weight)	Net weight: 340g±5%/PCS; 50PCS/Carton;17.5kg±5%/Carton; Carton Size: 434*302*174mm(L*W*H)
	Dimension	360*40*32mm（L*W*H）

Interface Description

Input

L
N
INPUT

Networking buttons
Network Status indicator
Output

LED+
LED+
CW-
WW-
OUTPUT

Dimension(mm)

360

40

30 32

Wiring

N L

LED Strips

LED+
CW-
WW-

LED Strips

LED+
CW-
WW-

APP

Instructions for networking

Direct connection to mobile APP
Turn on the Bluetooth and download the app "Smart life" or "Smart doodles"
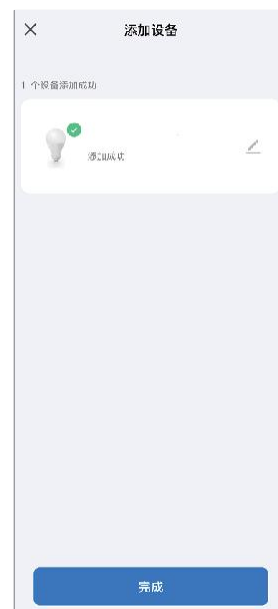Let's take "smart life" as an example
The devices that are not connected to the network are in preparation after being powered on.(the indicator light flickering only)

Click "+"to add the device
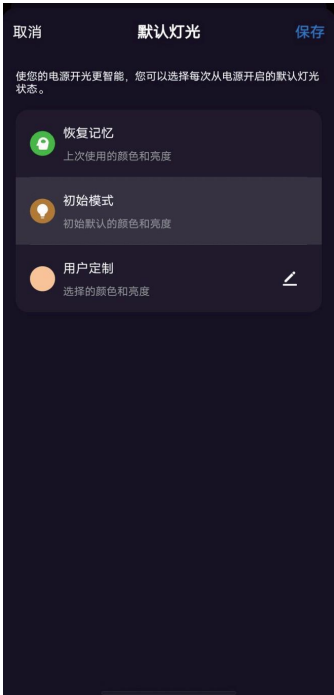
Search the device automatically

Click "+"to add the device after the app searched.

Function: 1.The brightness value of power-on
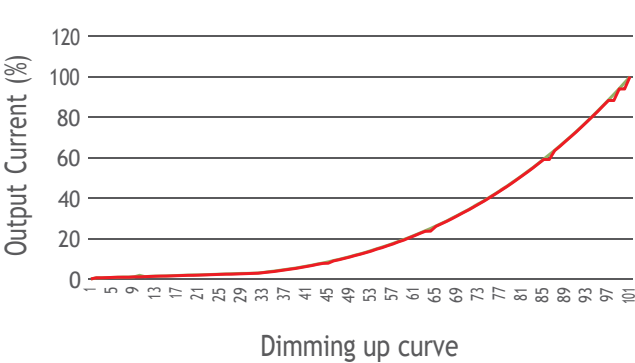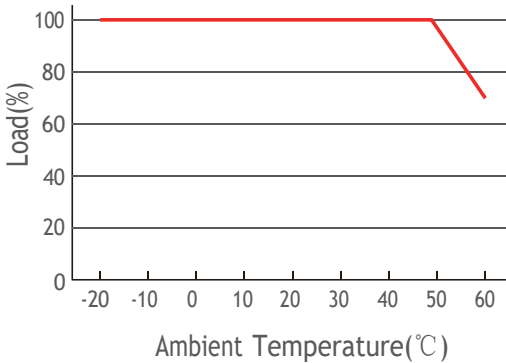
2.Gradual change of switch on or off

1

2

APP installation link

智能生活

正式版

Dimming Curve

Dimming up curve

Derating Curve

Ambient Temperature(℃)

Cautions

1. This product should be installed by qualified personnel.

2. This product is non waterproof, need to avoid sun and rain.In case of outdoor use, please ensure it is mounted in a water proof enclosure.

3. Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.

4. Please make sure LED power supply output voltage, current is used to meet the product requirements.

5. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.

6. Due to safety concerns, PVC or rubber cord of 0.75- 1.5mm^2 is recommended for input and output terminal(s)(excluding signal terminals). Flat power cord is not suitable.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.

7. In case of malfunction, do not repair it yourself.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have anyquestions .